



PROJECT SPECIFIC PREQUALIFICATION CRITERIA

FOR

BIOREMEDIATION WITH DELIVERY SYSTEM

FOR THE TREATMENT

OF

GROUNDWATER CONTAMINATED WITH TRICHLOROETHENE (TCE)

RFP No. 23900-RFP-SM271

Due Date: January 12, 2001

Bechtel Jacobs Company LLC (Contractor) intends to issue a Request for Proposal (RFP) for providing a bioremediation with its delivery system for the treatment of groundwater contaminated with Trichloroethene (TCE) at the Portsmouth Gaseous Diffusion Plant (PORTSD) in support of Bechtel Jacobs Company's Environmental Management and Integration Contract No. DE-AC05-98R227000 with the Department of Energy.

The RFP will be issued to only those firms deemed to be prequalified. Potential bidders are invited to provide such documentation necessary to demonstrate ability to meet each element of the project specific prequalification criteria set below.

Background Information

The Portsmouth Gaseous Diffusion Plant (PORTS) is owned by the U.S. Department of Energy (DOE). PORTS is approximately 80 miles south of Columbus, 20 miles north of Portsmouth, and 1 mile east of U.S. Route 23, near Piketon in south-central Ohio. The industrialized portion of PORTS is approximately 1,000 acres of a 3,714-acre DOE reservation. PORTS was constructed between 1952 and 1956 and has operated since January 1955.

enriching uranium for electrical power generation. Until 1991, PORTS also provided highly enriched uranium to the U.S. Navy. The principal process at PORTS is the separation of uranium isotopes by gaseous diffusion for ^{235}U enrichment.

The environmental restoration program at PORTS was initiated in 1989. The investigation, study, and implementation of corrective actions in support of environmental restoration proceeded in a phased approach that divided the facility into quadrants. Quadrant I occupies the southern portion of the PORTS reservation. The boundaries of Quadrant I were established with respect to the surface water and groundwater flow and drainage patterns. Quadrant 1 contains the X-749/X-120 Area and groundwater plume.

Bioremediation has recently been identified as a remedial alternative for treatment of TCE-contaminated groundwater within Quadrant 1 at the PORTS site. The two sources of groundwater contamination that formerly existed in Quadrant I were the X-749 landfill and the site of the defunct X-120 Goodyear Training Facility. Although it has not been determined that the X-749 area is no longer a source of contamination, the groundwater in these areas contains levels of TCE that are above the targeted risk level of 1×10^{-6} .

General Scope of Work

Bioremediation has been identified as a remedial alternative for treatment of groundwater within a Solid Waste Management Unit (SWMU) at the DOE Portsmouth Site in Piketon, Ohio. The SWMU contains a contaminant plume consisting primarily of TCE resulting from two former sources, X-749 and X-120, at the facility. A bioremediation deployment is planned during the government fiscal year 2001 for the remediation of the TCE-contaminated groundwater plume. TechCon is taking the lead role in a collaborative effort with the ITRD program to provide technical assistance to the Portsmouth DOE and Bechtel Jacobs Project Team for the identification and deployment of bioremediation and delivery system technologies.

In addition to this Pre-Qualification TechCon has released a [Project Web Site](#) and invites interested parties to visit the site.

The DOE and Bechtel Jacobs Project Team at the Portsmouth Gaseous Diffusion Plant, located in Piketon, Ohio, is planning to issue a RFP to implement a bioremediation remedy in the spring of 2001. In preparation, a Vendor Forum will be held on December 4th and 5th 2000 to discuss vendor experiences on successful completion of other bioremediation projects. In preparation, TechCon is collecting data on your experience in similar bioremediation projects. You should submit this information at the Portsmouth [Project Homepage](#).

TechCon requests that you submit the data in support of the forum prior to November 22, 2000 using the "Submit Capabilities" link located at on the top of Project Homepage.

Bechtel Jacobs requests that you submit the data in support of this Prequalification prior to **January 12, 2001**.

Location of the Work

Portsmouth Gaseous Diffusion Plant site near Piketon, Ohio

Subcontract Type

Fixed price

Period Performance

The subcontract period of performance for the base scope covers approximately twenty-four (24) months May 1, 2001 to May 30, 2003.

Socio-Economic Requirements

N/A

Labor Determination

Davis Bacon Act will be applicable to the resultant subcontract

Prequalification Criteria

Have applicable [General Prequalification Requirements](#) required for this Scope of Work been met?

YES ☐ NO ☐

If No, has qualifying documentation been submitted and currently pending approval?

YES ☐ NO ☐

Project Specific Pre-qualification Criteria:

1. Does your firm or teaming partner have a minimum of three (3) years experience in In-Situ/Ex-Situ bioremediation of groundwater and/or saturated vadose zone?

YES ☐ NO ☐

2. Has your firm or teaming partner successfully completed a bioremediation project for remediation of groundwater?

YES ☐ NO ☐

3. Does your firm or teaming partner have experience in delivery systems for delivering nutrients and/or microbes in aquifers with low hydraulic conductivity?

YES ☐ NO ☐

4. Does your firm or teaming partner have experience in anaerobic bioremediation?

YES ☐ NO ☐

5. Does your firm or teaming partner have experience in biostimulation?

YES ☐ NO ☐

6. Has your firm or teaming partner successfully completed a bioremediation project for remediation of TCE-contaminated groundwater within the past five years?

YES ☐ NO ☐

7. Does your firm or teaming partner have experience in aerobic bioremediation?

YES ☐ NO ☐

8. Does your firm or teaming partner have experience in bioaugmentation?

YES ☐ NO ☐

9. Does your firm or teaming partner have experience in ex-situ bioremediation?

YES ☐ NO ☐

10. Has your firm or teaming partner worked on a DOE site within the past ten years?

YES ☐ NO ☐

11. Does your firm or teaming partner have a treatability laboratory?

YES ☐ NO ☐

12. Will your firm be teaming with another firm to provide either bioremediation or delivery system expertise?

YES ☐ NO ☐

13. Did your firm submit to the TechCon Web Site "[Corporate Capabilities](#)" and "[Project Histories](#)"?

YES ☐ NO ☐

14. Will you need to subcontract any of the following activities:

Engineering Design (including testing) YES ☐
NO ☐

Construction YES ☐ NO ☐

Waste Management (including storage and disposal
of hazardous waster, and sanitary waste) YES ☐
NO ☐

Electrical (including instrumentation and controls) YES ☐ NO ☐

Piping YES ☐ NO ☐

Excavations YES ☐ NO ☐

Training YES ☐ NO ☐

Analytical Testing YES ☐ NO ☐

Interfacing with Regulatory Agencies YES ☐ NO ☐

In order to be qualified to receive a RFP package on this procurement you will have to submit information to document the above items and be able to answer yes to questions 1 – 3 above as a minimum.

Please submit your pre-qualification information, by the above mentioned due date, to:

email: [Frank F. Davis](#)

Mail:

Express:

P.O. Box 900
3930 U.S. Rte. 23

Piketon, Ohio 45661
Piketon, Ohio 45661

Updated: December 28, 2000

Posted: November 3, 2000

[Procurement Web](#)

[HOME](#) | [90 DAY FORECAST](#) | [PREQUALIFIED BIDDERS LIST](#)